

Title (en)

PATCH DELIVERY DEVICE WITH SKIN CONTACT SENSOR

Title (de)

PFLASTERABGABEVORRICHTUNG MIT HAUTKONTAKTSENSOR

Title (fr)

DISPOSITIF D'ADMINISTRATION DE PATCH COMPORTANT UN CAPTEUR CUTANÉ

Publication

EP 3545997 A1 20191002 (EN)

Application

EP 18164145 A 20180327

Priority

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Abstract (en)

The present invention is concerned with a safe use of a patch delivery device, in particular with identifying a removal of a release liner covering a patient-side adhesive layer prior to attachment of the latter to the skin of a patient. According to the invention, a patch delivery device such as a patch pump or patch injector includes a bottom housing part, a delivery element for subcutaneous delivery of a liquid to a patient, an adhesive patch for attaching the bottom housing part to the skin of the patient, a capacitive sensor with an electrode configuration including a plurality of skin contact sensitive electrodes, and a release liner covering a patient-side adhesive layer of the adhesive patch prior to adhering to the skin of the patient. The release liner includes an electrically conductive area extending over at least a part of the electrode configuration of the capacitive sensor before being removed from the adhesive patch. Providing the release liner with a conductive area gives rise to a discernible change in capacitive response of the sensor electrodes upon release liner removal.

IPC 8 full level

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CPC (source: EP US)

A61M 5/14248 (2013.01 - EP US); **A61M 5/3234** (2013.01 - EP); **A61M 5/46** (2013.01 - EP); **A61M 2205/13** (2013.01 - US)

Citation (applicant)

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Citation (search report)

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